



**BIOTEK**<sup>®</sup>  
we put life in metal

## SHOULDER ARTHROSCOPY

[www.biotekortho.com](http://www.biotekortho.com)



# Shoulder Arthroscopy

## IMPLANTS for SLAP & Bankart Repair

### MINI-VIM® Ligament Anchor (Titanium)

The MINI-VIM® Ligament Anchors are titanium anchors available in 2.8mm and 3.5mm diameters and come preloaded with USP #2 BioFiber® suture. In most cases, the implant can be manually inserted using the handled version. A drill is available for use in hard bone if desired. For arthroscopic applications, the MINI-VIM® anchor can be inserted through the small diameter MINI-VIM® spear eliminating the need for a cannula. This is ideal for SLAP and subscapularis repairs where a small stab incision and percutaneous delivery of the implant is preferred.



#### Key Features:

- Tremendous pull-out strength.
- Self-drelling. A drill is available for use in hard bone if desired.
- Preloaded with One USP #2 BioFiber® in a single-use sterile pack.
- Also available in needled version.

### MINI-VIM® Ligament Anchor

BAS-9001.28F	MINI-VIM® Ligament Anchor, Titanium, loaded with 1 pc Fiber; Dia. 2.8mm
BAS-9040.28F	MINI-VIM® Ligament Anchor, Titanium, loaded with 1 pc Fiber with needle, Dia. 2.8mm
BAS-9031.28F	MINI-VIM® Ligament Anchor, Titanium, loaded with 1 pc Fiber, Dia. 3.5mm
BAS-9083.35F	MINI-VIM® Ligament Anchor, Titanium, loaded with 1 pc Fiber with needle, Dia. 3.5mm

#### Related Instrumentation

BAS-9012	MINI-VIM® Spear (Two-pronged) for BAS-9001.28F & BAS-9031.35F
BAS-9109	MINI-VIM® Spear (Fishmouth) for BAS-9001.28F & BAS-9031.35F
BAS-9013	Trocar for BAS-9012 & BAS-9109
BAS-9026	Drill bit, dia. 2.2mm for MINI-VIM® (BAS-9001.28F)
BAS-9026	Drill bit, dia. 2.8mm for MINI-VIM® (BAS-9031.35F)





## VIMFIX-PK<sup>®</sup> Ligament Anchor

(Knotted for Primary or Medial row)

The VIMFIX-PK<sup>®</sup> is a fully threaded suture anchor featuring dual threads to maximize cortical and cancellous fixation, has a covered saddle tip to protect the sutures and is anchor is cannulated to channel growth factors. The VIMFIX-PK<sup>®</sup> anchor is manufactured with PEEK material which is a thermoplastic material with excellent biocompatibility and biostability characteristics.

- Clinical Used for Primary or Medial Row Fixation
- Fully threaded; Cancellous and cortical threads provide exceptional fixation strength
- Broaching punch minimizes cortical stress fractures
- Double or triple loaded with Biofiber suture
- Enhanced tip thread profile for easy insertion
- Provides initial fixation strength and stability
- Technique-create hole, screw-in anchor
- Also available with Biofiber tape for greater footprint contact pressure on cuff

### VIMFIX-PK<sup>®</sup> Ligament Anchor

BAS-9141.45F	VIMFIX-PK <sup>®</sup> Ligament Anchor, PEEK, loaded with 2 pc Fiber, Dia. 4.5mm
BAS-9145.45F	VIMFIX-PK <sup>®</sup> III Ligament Anchor, PEEK, loaded with 3 pc Fiber, Dia. 4.5mm
BAS-9090.55F	VIMFIX-PK <sup>®</sup> Ligament Anchor, PEEK, loaded with 2 pc Fiber, Dia. 5.5mm
BAS-9091.55F	VIMFIX-PK <sup>®</sup> III Ligament Anchor, PEEK, loaded with 3 pc Fiber, Dia. 5.5mm
BAS-9180.45FT	VIMFIX-PK <sup>®</sup> Ligament Anchor, PEEK, loaded with 1 pc Blue Fiber and 1 pc White-Blue Fiber Tape size 1.4, Dia. 4.5mm
BAS-9181.45FT	VIMFIX-PK <sup>®</sup> Ligament Anchor, PEEK, loaded with 1 pc White-Blue Fiber and 1 pc Blue Fiber Tape size 1.4, Dia. 4.5mm
BAS-9182.55FT	VIMFIX-PK <sup>®</sup> Ligament Anchor, PEEK, loaded with 1 pc Blue Fiber and 1 pc White-Blue Fiber Tape size 1.4, Dia. 5.5mm
BAS-9183.55FT	VIMFIX-PK <sup>®</sup> Ligament Anchor, PEEK, loaded with 1 pc White-Blue Fiber and 1 pc Blue Fiber Tape size 1.4, Dia. 5.5mm

## VIMFIX-LR<sup>®</sup> Ligament Anchor

(Knotless for Lateral row)

The VIMFIX-LR<sup>®</sup> is a fully-threaded, knotless anchor designed for use with BioFiber<sup>®</sup> Tape in rotator cuff repair using the bridge techniques. It provides maximum pull-out and insertion strength while saving time. The simple knotless technique consists of passing sutures or tapes through tissue, loading them through the closed VIMFIX-LR<sup>®</sup> eyelet which is then inserted into a bone socket. Tension is visualized, adjusted and locked into position with the VIMFIX-LR<sup>®</sup> anchor body. VIMFIX-LR<sup>®</sup> anchor is cannulated and vented to minimize material and to allow for potential bony ingrowth. The anchor is available in 4.75 and 5.5mm diameter, and PEEK material which is a thermoplastic material with excellent biocompatibility and biostability characteristics.

The VIMFIX-LR<sup>®</sup> 4.75 and 5.5mm twist-in knotless anchor. The anchor is available with a PEEK body and a PEEK eyelet or Metal eyelet. The VIMFIX-LR<sup>®</sup> can be used as the lateral row anchor in bridge techniques.

### VIMFIX-LR<sup>®</sup> Ligament Anchor

BAS-9092.55F	VIMFIX-LRP <sup>®</sup> Ligament Anchor, PEEK, knotless, Dia. 5.5mm
BAS-9142.475F	VIMFIX-LRP <sup>®</sup> Ligament Anchor, PEEK, knotless, Dia. 5.5mm
BAS-9136.55F	VIMFIX-LRT <sup>®</sup> Ligament Anchor, PEEK, knotless, self-tapping, metal tip, Dia. 5.5mm
BAS-9143.475F	VIMFIX-LRT <sup>®</sup> Ligament Anchor, PEEK, knotless, self-tapping, metal tip, Dia. 4.75mm

### Related Instrumentation

- BAS-9103 Punch / Tap for VIMFIX-PK<sup>®</sup> and VIMFIX-LR<sup>®</sup>
- BAS-9012 Punch for VIMFIX-PK<sup>®</sup> and VIMFIX-LR<sup>®</sup>



# Shoulder Arthroscopy

## IMPLANTS for Biceps Tenodesis

### Vim-Fix BT Tenodesis Screw

(Knotless)

The VimFix-BT Tenodesis implant are designed for all-arthroscopic proximal biceps tenodesis. The efficient system was designed to save steps and minimize the length of the procedure. The implants feature a unique PEEK tip that is used to steer the biceps tendon to the bottom of the bone socket without the need to externalize or whipstitch the tendon. There is no need to predetermine tendon length, as position and tension are easily set and visualized prior to final anchor insertion. Strong fixation is obtained by simply advancing the preloaded VimFix-BT Tenodesis Screw. The system also features piloted headed reamers with built-in guide tips that eliminate the need to ream over a guide pin.



### Vim-Fix BT suture anchor

BAS-9093.50F	VIMFIX-BT ligament anchor, knotless, Dia. 5.0mm
BAS-9094.60F	VIMFIX-BT ligament anchor, knotless, Dia. 6.0mm
BAS-9095.70F	VIMFIX-BT ligament anchor, knotless, Dia. 7.0mm
BAS-9096.80F	VIMFIX-BT ligament anchor, knotless, Dia. 8.0mm

### Related Instrumentation

BAS-9113	Graft Sizer for Biceps Tendon
BAS-9104	Tenodesis Fluted Solid reamer, Dia. 5.0mm
BAS-9105	Tenodesis Fluted Solid reamer, Dia. 6.0mm
BAS-9106	Tenodesis Fluted Solid reamer, Dia. 7.0mm
BAS-9107	Tenodesis Fluted Solid reamer, Dia. 8.0mm
BAS-9108	Tenodesis Fluted Solid reamer, Dia. 9.0mm



## INSTRUMENTS



### Switching Stick

- Ideal for maintaining proper portal sites
- Available in non-cannulated version.
- Can be used at both ends.

Catalog No. BAS-9003



### Labral Probe

- The tip of the probe can be used to test the strength of a soft tissue repair or to probe defects.
- Enables the surgeon to easily insert an instrument through a small stab incision in soft tissue.

Catalog No. BAS-9005



### Crochet Hook

- A simple tool that performs well in tight spaces to retrieve Biofiber loops during arthroscopic Bankart, SLAP, rotator cuff, or any suturing procedure.
- The smooth tip prevents abrasion of Biofiber strands.
- Ergonomic handle facilitates instrument manipulation in the wet arthroscopic environment.
- The push-pull design was designed to push Biofiber knots and/or retrieve Biofibers with the same instrument.

Catalog No. BAS-9006



### Knot Pusher

- Modified handle that provides an ergonomic feel.
- Modified distal tip for easier advancement of slipknots and halfhitches.

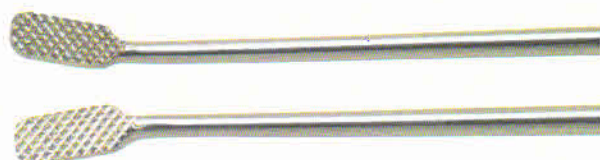
Catalog No. BAS-9007



### Tissue Elevators

- Used in arthroscopic instability repair for tissue release from glenoid rim.
- Available in 15° and 30° angles.
- Available in "up" and "down" versions.

Catalog No. BAS-9075 - 15° (Up)  
BAS-9008 - 15° (Down), BAS-9009 - 30° (Down)



### Glenoid Rasps

- Used in arthroscopic instability repair for debridement and glenoid rim preparation.
- Available in "up" and "down" versions.

Catalog No. BAS-9010 - Glenoid Rasp-Up  
BAS-9011 - Glenoid Rasp-down



# Shoulder Arthroscopy

## INSTRUMENTS



### Ring Curette

- For shoulder mini-open and arthroscopic procedures.

Catalog No. BAS-9028

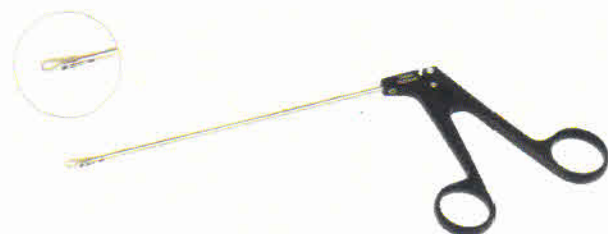


### Biofiber Cutter

#### BioFiber® Suture Cutter

The Biofiber Cutter was designed to facilitate arthroscopic cutting of Biofiber sutures and braided sutures. The uniquely designed cutting jaws remain sharp throughout repeated use.

Catalog No. BAS-9085



### Suture Retriever

- Designed for atraumatic Biofiber retrieval and manipulation during arthroscopic procedures.
- The jaws create a closed loop which allows the Biofibers to slide freely during suture extraction.

Catalog No. BAS-9025



### Reusable Suture Passer

The Suture Passer has various curved tip configurations for arthroscopic Bankart, SLAP & rotator cuff repairs. The Suture Passer can be preloaded with a Nitinol loop or p-dioxanone suture (PDS®) or nylon monofilament suture to accomplish a simple shuttle step to pass suture through the tissue. The Suture Passer features a thumb pad for one-hand wire advancement. These are available in various tip configurations of straight, 25 curved and 45 curved.

BAS-9117L Reusable Suture Passer, 45°, Left  
BAS-9118R Reusable Suture Passer, 45°, Right  
BAS-9119L Reusable Suture Passer, 25°, Left  
BAS-9120R Reusable Suture Passer, 25°, Right  
BAS-9121 Reusable Suture Passer, Crescent, Straight  
BAS-9125 Nitinol Loop wire for Reusable Suture passer



### Tissue Grasper

The uniquely designed jaws of the Tissue Grasper enable the surgeon to perform multiple tasks in arthroscopic surgery with one instrument, improving speed and efficiency of the procedure. The tissue grasper is the optimal tool for arthroscopic tissue grasping/reduction, foreign body removal, as well as suture retrieval/management. The distal serrated tip of the jaws function as a tissue and suture grasper while the proximal section of the jaws facilitate slide through suture retrieving

Catalog No. BAS-9126

## INSTRUMENTS



### SHUTTLE FERRY® II Suture Passer

Designed specifically for rotator cuff procedures, the SHUTTLE FERRY® II Suture Passer from Biotek offers surgeons simple, one-handed operation and precise control over jaw positioning. Simultaneous suture passing and retrieval makes the suture passing step technically easier and can help your procedures run smoothly.

BAS-9169 SHUTTLE FERRY® II Suture Passer  
BAS-9170 Needle for SHUTTLE FERRY® II

### Graphic Case for Shoulder Arthroscopy

- Vertically Stacked Accessibility
- Removable Tray inserts

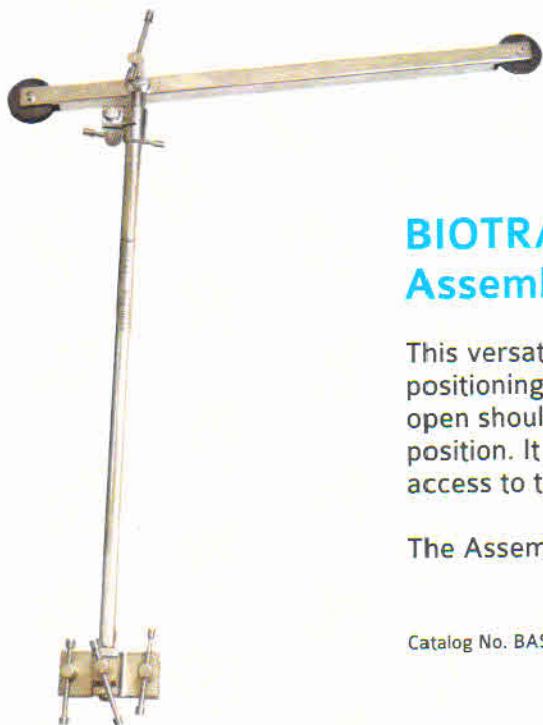


BAS-9018 Graphic Case for Knee Arthroscopy Instrumentation Set (Without Provision for Filters)  
BAS-9037 Graphic Case for Shoulder Arthroscopy Instrumentation Set (With Provision for Filters)



# Shoulder Arthroscopy

## INSTRUMENTS



### BIOTRAC LD Kit Assembly for shoulder positioning

This versatile system provides safe, effective and easy positioning of the shoulder during all types of arthroscopic or open shoulder surgeries performed in the lateral decubitus position. It permits ideal shoulder positioning for improved access to the anterior glenohumeral joint.

The Assembly attaches easily to standard O.T. table Rails.

Catalog No. BAS-9195

### C-Thru® Disposable Cannula-Trocar Set



- Threaded translucent twist-in design
- Rounded distal tip
- Allows direct arthroscopic visualization of instruments and suture passing through the cannula
- Flexible option easily conforms to large or curved instruments
- Supplied with a disposable obturator
- Ratcheting stopcock for controlled outflow
- Latex-free design
- Available in pre-sterilized packaging
- Reusable Obturators available in stainless steel for use with disposable cannulas

BAS-9071	C-THRU® Trocar Set, Dia. 5.5mm, Len. 90mm, Sterile (Pack of 3)
BAS-9072	C-THRU® Trocar Set, Dia. 6.5mm, Len. 70mm, Sterile (Pack of 3)
BAS-9073	C-THRU® Trocar Set Dia. 8.5mm, Len. 70mm, Sterile (Pack of 3)
BAS-9074	C-THRU® Trocar Set, Dia. 8.5mm, Len. 90mm, Sterile (Pack of 3)

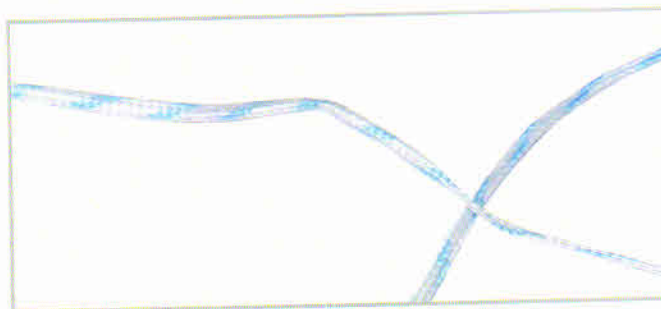




## Fibers & Tapes

### Biofiber

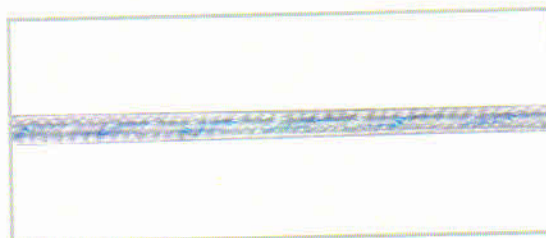
Biofiber is a braided sterile surgical fiberwire prepared from fibres of ultra high molecular weight, long chain linear polyethylene. Biofiber wires elicit a minimal inflammatory reaction in tissues, followed by gradual encapsulation of the fiberwire by the fibrous tissue. Biofiber fiberwire is non-absorbable and there are no significant changes in tensile strength retention known to occur in vivo. Biofiber fiberwire is preloaded on many Biotek Anchors that have fiberwires. Biofiber represents a major advancement in arthroscopic surgery.



BF-2W	BioFiber: Fiber wire #2 with MO-6 needle, White, 36"
BF-2WC	BioFiber: Fiber wire #2 with MO-6 needle, White with Blue tracer, 36"
BF-2WK	BioFiber: Fiber wire #2 with MO-6 needle, White with Black tracer, 36"
BF-2WCK	BioFiber: Fiber wire #2 with MO-6 needle, White with Blue-Blue-Black tracer, 36"
BF-5W	BioFiber: Fiber wire #5 with MO-6 needle, White, 36"
BF-5WC	BioFiber: Fiber wire #5 with MO-6 needle, White with Blue tracer, 36"
BF-5WK	BioFiber: Fiber wire #5 with MO-6 needle, White with Black tracer, 36"
BF-20W18	BioFiber: Fiber wire #2, without needle, White with Blue tracer, Len. 18"
BF-20W36	BioFiber: Fiber wire #2, without needle, White with Blue tracer, Len. 36"
BF-2WSB	BioFiber: Fiber Loop, Size 2, with Straight Needle, Len. 6cm, White with Blue Tracer, 24"
BF-2WNC	BioFiber: Fiber Loop, Size 2, with MO-6 Curved Needle, White with BlueTracer, 24"

### Biofiber Tape

Biofiber Tape is an ultra-high strength 2 mm width tape using a similar long chain polyethylene structure as the Biofiber suture. In addition to high demand applications like AC joint reconstruction, the broad footprint of the Biofiber Tape is appropriate for repairs in degenerative cuff tissue where tissue pull-through may be a concern.



BF-2BST	BioFiber Tape, size 2, White-Black, 39"
BF-13GST	BioFiber Tape, size 1.3, White-Green, 39"
BF-13BST	BioFiber Tape, size 1.3, White-Black, 39"
BF-16BST	BioFiber Tape, size 1.6, White-Blue, 39"
BF-2ST	BioFiber: Fiber Tape #2, White-Blue, 39", working length 7.5"

# Shoulder Arthroscopy

## IMPLANTS for Rotator Cuff Repair

### **SUPER-VIM® Ligament Anchor** (Titanium)

The SUPER-VIM® design incorporates a cancellous thread with a very small core diameter to maximize pull-out strength in cancellous or osteopenic bone. Each SUPER-VIM® comes with two or three #2 BioFiber® sutures of contrasting colors to maximize soft tissue fixation and allow suture identification. The SUPER-VIM® anchors have two suture eyelets to minimize the possibility of having the second suture lock after the first suture is tied.

Available in 5.0mm and 6.5mm diameters with color-coded anchors and high strength UHMWPE BioFibers®.

#### **Key Features:**

- Anchors made of Ti 6Al-4V ELI Titanium Alloy.
- Multiple BioFibers® dispense load over more of the tendon
- Independent BioFiber® channels reduce Suture binding
- Needlepoint tip permits atraumatic hand insertion through soft tissue.
- Anchor's wide threads and small core optimize bone purchase.
- Self tapping design
- Fully-threaded anchor body increases resistance to pull-out.
- Laser etched markings on the drivers for insertion depth and suture orientation
- 5.0mm and 6.5mm ligament anchors are also available with needles.
- Ideal for mini-open rotator cuff repair procedures.



### **SUPER-VIM® Ligament Anchor**

BAS-9002.50F	SUPER-VIM® Ligament Anchor, Titanium, loaded with 2 pc Fiber, Dia. 5.0mm
BAS-9041.50F	SUPER-VIM® Ligament Anchor, Titanium, loaded with 2 pc Fiber with needle, Dia. 5.0mm
BAS-9030.50F	SUPER-VIM® III Ligament Anchor, Titanium, loaded with 3 pc Fiber, Dia. 5.0mm
BAS-9084.65F	SUPER-VIM® L Ligament Anchor, Titanium, loaded with 2 pc Fiber, Dia. 6.5mm
BAS-9115.65F	SUPER-VIM® L Ligament Anchor, Titanium, loaded with 2 pc Fiber with needle, Dia. 6.5mm



## MINI-VIM PK<sup>®</sup> Ligament Anchor (PEEK)

The MINI-VIM PK<sup>®</sup> Ligament Anchors are available in a variety of sizing and suture options. The MINI-VIM PK<sup>®</sup> is a nonabsorbable PEEK suture anchor with a material eyelet which provides superior abrasion resistance due to PEEK's low coefficient of friction. Anchor inserting the anchor through the same spear into the drilled hole.



### MINI-VIM PK<sup>®</sup> Ligament Anchor

BAS-9086.28F	MINI-VIM PK <sup>®</sup> Ligament Anchor, PEEK, loaded with 1 pc Fiber, Dia 2.8mm
BAS-9087.28F	MINI-VIM PK <sup>®</sup> Ligament Anchor, PEEK, Knotless, Dia. 2.8mm
BAS-9088.30F	MINI-VIM II PK <sup>®</sup> Ligament Anchor, PEEK, loaded with 2 pc Fiber, Dia. 3.0mm
BAS-9089.35F	MINI-VIM II PK <sup>®</sup> Ligament Anchor, PEEK, loaded with 2 pc Fiber, Dia. 3.5mm
BAS-9192.35F	MINI-VIM PK <sup>®</sup> Ligament Anchor, PEEK, Knotless, Dia. 3.5mm

### Related Instrumentation

BAS-9110	Mini-Vim PK <sup>®</sup> Spear (Two-pronged) for BAS-9088.30F & BAS-9089.35F
BAS-9097	Mini-Vim PK <sup>®</sup> Spear (Fishmouth) for BAS-9088.30F & BAS-9089.35F
BAS-9098	Trocar for BAS-9097 & BAS-9110
BAS-9100	Drill bit dia.2.4mm for Mini-Vim PK <sup>®</sup> (BAS-9086.28F)
BAS-9101	Drill bit dia.2.6mm for Mini-Vim PK <sup>®</sup> (BAS-9088.30F)
BAS-9111	Drill bit dia.2.5mm for Mini-Vim PK <sup>®</sup> Knotless (BAS-9087.28F)
BAS-9102	Drill bit dia.3mm for Mini-Vim II PK <sup>®</sup> (BAS-9089.35F)
BAS-9112	Mini-Vim <sup>®</sup> Spear (Two-pronged) for BAS-9086.28F & BAS-9087.28F
BAS-9109	Mini-Vim <sup>®</sup> Spear (Fishmouth) for BAS-9086.28F & BAS-9087.28F
BAS-9013	Trocar for BAS-9012 & BAS-9109







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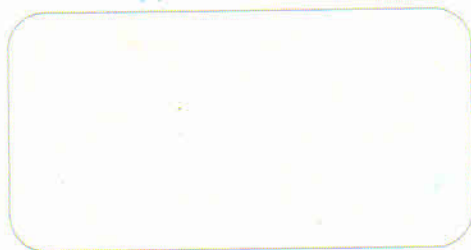
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